

**IN THE ABSTRACT:**

The Abstract as amended below with a replacement Abstract shows added text with underlining and deleted text with ~~striketrough~~.

Please DELETE the Abstract in its entirety and substitute the below new Abstract.

AThe system to estimate and change a color temperature of a compressed video image and change~~for changing the color temperature of the compressed video image~~ includes~~comprises~~ a color temperature estimation unit, which to receives a video image compressed using block-based discrete cosine transformation, generates a discrete cosine (DC) video image corresponding to the compressed video image, and estimates thea color temperature of the compressed video image using the DC video image; a decoder, to~~which~~ decodes the compressed video image to generate an original video image; and a color temperature change unit, to~~which~~ determines the estimated color temperature of the compressed video image or a color temperature of the decoded original video image as an application color temperature according to~~depending on~~ whether the compressed video image is a moving video image, and changes the color temperature of the decoded original video image in accordance with the application color temperature and a color temperature preferred by a user.